ROLE DESCRIPTION

LEAF

ROLE OVERVIEW			
ROLE NAME	AP Physics Teacher	**GRADE**	
NAME		**PREPARED BY**	
ROLE DETAILS	[x] Full-time [x] Part-time [x] Contractor [ ] Intern		
ROLE LOCATION	LEAF Academy		
DEPARTMENT	STEM	**REPORTS TO**	Head of STEM

ROLE N DETAILS	
Challenge to address/ROLE PURPOSE (why ROLE exists?)	LEAF Academy is looking for an experienced physics educator who can teach AP Physics 1, and/or AP Physics 2, and/or AP Physics C. In AP Physics 1, the students learn about the foundational principles of physics as they explore Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course is designed to be the equivalent of a first-semester introductory college course in algebra-based physics. In AP Physics 2 the students expand their understanding of physics as they explore topics such as fluids; thermodynamics; electric force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. This course is designed to be the equivalent of a second-semester introductory college course in algebra-based physics. In AP Physics C students explore concepts such as kinematics; Newton's laws of motion, work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation + concepts such as electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields, and electromagnetism. In all the courses students also do hands-on laboratory work to investigate phenomena. This course is designed to be the equivalent of a semester-long, introductory calculus-based college course in physics. The combination with calculus and/or chemistry is desirable. The ability to differentiate in curriculum and instruction, and curriculum development are desirable. A passion for Entrepreneurial leadership is also welcome.
DUTIES AND RESPONSIBILITIES	Besides of above responsibilities assume (applies only to a full-time position – combination with a different subject is needed): • Advisory role - responsible for a small group of students, conduct regular weekly meetings, providing support and mentoring to students when necessary • Residential duties: regular weekday and weekend duties in the dormitory • co-curriculars: being part of the co-curriculars programme, e.g., offering a club Besides of other responsibilities she/he is responsible for (applies for any type of contract): - Getting familiar with the curricula of the courses - Doing formative and summative assessments of students - Support students also outside of classes if needed
DIRECT REPORTS	Head of Stem

STUDENT FACING ROLE	YES
EXPERTISE/QUALIFICATIONS REQUIRED	
REQUIRED SKILLS	● Passion for LEAF Academy's mission and alignment with the LEAF values ● Proactive and entrepreneurial mindset coupled with preference for teamwork ● Organized, problem-solver, self-starter ● Willing to mentor and guide students ● Capable of working well under pressure ● Sense of humor and ability to deal with ambiguity ● Advanced English language ● Passion and expertise in Math
MINIMUM EXPERIENCE REQUIREMENTS	3 years
MINIMUM EDUCATION REQUIREMENTS	Master degree